



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO039751	MCM001-VU	1	1	2% 10 Net 30	90985A113	Knob Grip				2	5/3/2018	2		S068042	Stock	5/3/2018	\$ 20.45 / Ea	0		\$40.90	McMaster-Carr Supply Co.
		2			93190A373	Hex Bolt 316 Stainless Steel Hex Head Screw 1/pack				10		10		S068043	Stock	5/3/2018	\$ 3.84 / Ea	0		\$38.40	McMaster-Carr Supply Co.
		3			9574K68	Shim receive sf				1		1		S068044	Stock	5/3/2018	\$ 37.09 / sf	0		\$37.09	McMaster-Carr Supply Co.
		4			C10-10-2	Actuator Pin				100		100		S068045	Stock	5/3/2018	\$ 0.11 / pcs	0		\$11.45	McMaster-Carr Supply Co.
		5			C10-12-1	Spring Pin						100		S068046	Stock	5/3/2018	\$ 0.09 / pcs	0		\$8.69	McMaster-Carr Supply Co.
		6			C10-4-10	Spring Anchor Spring Pin						100		S068047	Stock	5/3/2018	\$ 0.11 / pcs	0		\$11.26	McMaster-Carr Supply Co.
		7			C10-4-6	Lock Spring				24		24		S068048	Stock	5/3/2018	\$ 0.86 / pcs	0		\$20.56	McMaster-Carr Supply Co.
		8			C10-4-7	Spring Retaining Pin				15		15		S068049	Stock	5/3/2018	\$ 1.86 / pcs	0		\$27.84	McMaster-Carr Supply Co.
		9			C10-7	Locating Pin				30		30		S068050	Stock	5/3/2018	\$ 1.60 / pcs	0		\$48.00	McMaster-Carr Supply Co.
		10			C2-10-1	Lock Spring Pin				100		100		S068051	Stock	5/3/2018	\$ 0.07 / pcs	0		\$6.67	McMaster-Carr Supply Co.
		11			C45-15-13	Sleeve				6		6		S068052	Stock	5/3/2018	\$ 2.68 / Ea	0		\$16.08	McMaster-Carr Supply Co.

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		12			MT-NYLON 6-R1.000-B	Nylon 6 Black Round Bar 1.000" Dia.				2		2		S068053	Stock	5/3/2018	\$ 15.43 / ft	0		\$30.86	McMaster-Carr Supply Co.
		13			SWA3-700	Ball Bearing				200		200		S068054	Stock	5/3/2018	\$ 0.11 / Ea	0		\$21.12	McMaster-Carr Supply Co.
		14			C2-20-21	Cotter Pin				100		100		S068055	Stock	5/3/2018	\$ 0.25 / Ea	0		\$24.75	McMaster-Carr Supply Co.
		15			C45-3-4-1	Retaining Ring						100		S068056	Stock	5/3/2018	\$ 0.13 / Ea	0		\$13.00	McMaster-Carr Supply Co.
		16			76475A92	Low-Friction Surface-Protection Tape w/Teflon PTFE. Extra-Tough, 2" Thick x 3' Long receive ea				3				S068057	Stock	5/3/2018	\$ 22.60 / ft	0		\$67.81	McMaster-Carr Supply Co.
		17			6305A12	Teflon Sheet receive ea				15		15		S068058	Stock	5/3/2018	\$ 1.00 / ft	0		\$14.97	McMaster-Carr Supply Co.
		18			6534K46	Hose Fitting				8		8		S068059	Stock	5/3/2018	\$ 1.15 / Ea	0		\$9.20	McMaster-Carr Supply Co.
		19			8098K24	Heat Shrink Tubing				3		5		S068060	Stock	5/3/2018	\$ 3.73 / ft	0		\$18.63	McMaster-Carr Supply Co.
		20			90145A591	Location Pin				10		10		S068061	Stock	5/3/2018	\$ 2.07 / Ea	0		\$20.68	McMaster-Carr Supply Co.
										Total:		929								\$487.96	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039751

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039751

PO Date: 5/3/18

Due Date: 5/3/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED
APR 30 2018

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	90985A113	1/pk	Knob Grip	Firmed	5/3/18	2 Ea	0 Ea	2 Ea	\$20.45/Ea	\$40.90
2	93190A373	1/pk	Hex Bolt 316 Stainless Steel Hex Head Screw 1/pack	Firmed	5/3/18	10 Ea	0 Ea	10 Ea	\$3.84/Ea	\$38.40
3	9574K68		Shim receive sf	Firmed	5/3/18	1 sf	0 sf	1 sf	\$37.09/sf	\$37.09
4	C10-10-2	98296A930 100/PK	Actuator Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.1145/pcs	\$11.45
5	C10-12-1	92383A695 100/PK	Spring Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.0869/pcs	\$8.69
6	C10-4-10	90692A729 100/PK	Spring Anchor Spring Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.1126/pcs	\$11.26
7	C10-4-6	9654K115 12/PK	Lock Spring	Firmed	5/3/18	24 pcs	0 pcs	24 pcs	\$0.856666/pcs	\$20.56
8	C10-4-7	98381A511 5/PK	Spring Retaining Pin	Firmed	5/3/18	15 pcs	0 pcs	15 pcs	\$1.856/pcs	\$27.84
9	C10-7	98381A554 5/PK	Locating Pin	Firmed	5/3/18	30 pcs	0 pcs	30 pcs	\$1.60/pcs	\$48.00
10	C2-10-1	92373A182 100/PK	Lock Spring Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.0667/pcs	\$6.67
11	C45-15-13	6381K171 1/pk	Sleeve	Firmed	5/3/18	6 Ea	0 Ea	6 Ea	\$2.68/Ea	\$16.08
12	MT-NYLON 6-R1.000-B	2889K21 2 ft lenght	Nylon 6 Black Round Bar 1.000" Dia.	Firmed	5/3/18	2 ft	0 ft	2 ft	\$15.43/ft	\$30.86
13	SWA3-700	9529K15 100/per pk	Ball Bearing	Firmed	5/3/18	200 Ea	0 Ea	200 Ea	\$0.1056/Ea	\$21.12
14	C2-20-21	98338A150 100/PK	Cotter Pin	Firmed	5/3/18	100 Ea	0 Ea	100 Ea	\$0.2475/Ea	\$24.75
15	C45-3-4-1	98410A110 100/pk	Retaining Ring	Firmed	5/3/18	100 Ea	0 Ea	100 Ea	\$0.13/Ea	\$13.00

Plex 4/30/18 2:40 PM dart.lavoie.chantal

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
16	76475A92		Low-Friction Surface-Protection Tape w/Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long receive ea	Firmed	5/3/18	3 ft	0 ft	3 ft	\$22.60333/ft	\$67.81
17	6305A12	15 FT PER ROLL	Teflon Sheet receive ea	Firmed	5/3/18	15 ft	0 ft	15 ft	\$0.998/ft	\$14.97
18	6534K46		Hose Fitting	Firmed	5/3/18	8 Ea	0 Ea	8 Ea	\$1.15/Ea	\$9.20
19	8098K24	5/pk @ 1/2" pcs	Heat Shrink Tubing	Firmed	5/3/18	15 ft	0 ft	3 ft	\$3.72666/ft	\$11.18
Line Item Note 1 pk of 5 pcs = to 3 ft										
20	90145A591	5/pk	Location Pin	Firmed	5/3/18	10 Ea	0 Ea	10 Ea	\$2.068/Ea	\$20.68
Grand Total:										\$480.51
Order Notes <i>reid A18/05/03</i> Procurement Quality Clauses A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM A049 SUPPLIER AWARENESS Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.										

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200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

Purchase Order
PO039751

Order Placed By
Chantal Lavoie

McMaster-Carr Number
2892103-02

Page 1 of 2

04/30/2018

Line	Product	Ordered	Shipped
1	90985A113 Knob-Grip Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	2 Each	2
2	93190A373 Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 3/8"-24 Thread Size, 3" Long, Fully Threaded, Packs of 1	10 Packs	10
3	9574K68 Aluminum Peel-Away Shim Stock, 12" Wide x 12" Long x 0.063" Thick, 21 Layers	1 Each	1
4	98296A930 Steel Slotted Spring Pins, 1/4" Diameter, 1-1/2" Long, Packs of 100	1 Pack	1
5	92383A695 400 Series Stainless Steel Slotted Spring Pin, 1/8" Diameter, 5/8" Long, Packs of 100	1 Pack	1
6	90692A729 Zinc-Plated Steel Slotted Spring Pins, 3/16" Diameter, 1-3/4" Long, Packs of 100	1 Pack	1
7	9654K115 Steel Extension Spring, Loop Ends, Zinc-Plated, Spring-Tempered, 2.5" Long, 0.25" OD, Packs of 12	2 Packs	2
8	98381A511 Dowel Pin, Alloy Steel, 3/16" Diameter, 1-1/8" Long, Packs of 5	3 Packs	3
9	98381A554 Dowel Pin, Alloy Steel, 1/4" Diameter, 3" Long, Packs of 5	6 Packs	6
10	92373A182 18-8 Stainless Steel Slotted Spring Pin, 1/8" Diameter, 7/8" Long, Packs of 100	1 Pack	1
11	6381K171 Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 3/4" Shaft Diameter and 7/8" Housing ID, 1" Long	6 Each	6
12	2889K212 MDS-Filled Cast Nylon Rod, 1" Diameter, 2 Feet Long	1 Each	1
13	9529K15 Hardened 440C Stainless Steel Ball, 1/4" Diameter, Packs of 100	2 Packs	2
14	98338A150 Zinc-Plated Steel Cotter Pins, 3/32" Diameter, 1-1/2" Long, Packs of 100	1 Pack	1
16	76475A92 Low-Friction Surface-Protection Tape with Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long	1 Each	1
17	6305A12 Surface-Protection Tape Made with Teflon PTFE, Ultra-Low-Friction, 1" Wide x 5 Yards Long	1 Each	1
18	6534K46 Industrial-Shape Hose Coupling, Size 1/4, Zinc-Plated Steel Plug, 1/4 NPTF Male End	8 Each	8
19	8098K24 Food-Grade Heat-Shrink Tubing, 0.38" ID Before Shrinking, 1/2 Feet Long, Black, Packs of 5, Our 2 Packs = 5 Feet	2 Packs	2
20	90145A591 18-8 Stainless Steel Dowel Pin, 5/16" Diameter, 2" Long, Packs of 5	2 Packs	2

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

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PO039751
Order Placed By
Chantal Lavoie
McMaster-Carr Number
2892103-02

Page 2 of 2
04/30/2018

Shipped separately from our Chicago warehouse on 04/30

15 **98410A110** External Retaining Ring, Beryllium Copper, for 3/16" OD

1 **1**
Pack



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

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Purchase Order
PO039751

Order Placed By
Chantal Lavoie

McMaster-Carr Number
2892103-01

Page 1 of 2

04/30/2018

Line	Product	Ordered	Shipped
15	98410A110 External Retaining Ring, Beryllium Copper, for 3/16" OD, Packs of 100	1 Pack	1
Shipped separately from our Cleveland warehouse on 04/30			
1	90985A113 Knob-Grip Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	2 Each	2
2	93190A373 Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 3/8"-24 Thread Size, 3" Long, Fully Threaded	10 Packs	10
3	9574K68 Aluminum Peel-Away Shim Stock, 12" Wide x 12" Long x 0.063" Thick, 21 Layers	1 Each	1
4	98296A930 Steel Slotted Spring Pins, 1/4" Diameter, 1-1/2" Long	1 Pack	1
5	92383A695 400 Series Stainless Steel Slotted Spring Pin, 1/8" Diameter, 5/8" Long	1 Pack	1
6	90692A729 Zinc-Plated Steel Slotted Spring Pins, 3/16" Diameter, 1-3/4" Long	1 Pack	1
7	9654K115 Steel Extension Spring, Loop Ends, Zinc-Plated, Spring-Tempered, 2.5" Long, 0.25" OD	2 Packs	2
8	98381A511 Dowel Pin, Alloy Steel, 3/16" Diameter, 1-1/8" Long	3 Packs	3
9	98381A554 Dowel Pin, Alloy Steel, 1/4" Diameter, 3" Long	6 Packs	6
10	92373A182 18-8 Stainless Steel Slotted Spring Pin, 1/8" Diameter, 7/8" Long	1 Pack	1
11	6381K171 Multipurpose SAE 660 Leadless Bronze Sleeve Bearing for 3/4" Shaft Diameter and 7/8" Housing ID, 1" Long	6 Each	6
12	2889K212 MDS-Filled Cast Nylon Rod, 1" Diameter, 2 Feet Long	1 Each	1

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
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1270 Aberdeen St
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Page 2 of 2

04/30/2018

Line	Description	Ordered	Shipped
13	9529K15 Hardened 440C Stainless Steel Ball, 1/4" Diameter	2 Packs	2
14	98338A150 Zinc-Plated Steel Cotter Pins, 3/32" Diameter, 1-1/2" Long	1 Pack	1
16	76475A92 Low-Friction Surface-Protection Tape with Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long	1 Each	1
17	6305A12 Surface-Protection Tape Made with Teflon PTFE, Ultra-Low-Friction, 1" Wide x 5 Yards Long	1 Each	1
18	6534K46 Industrial-Shape Hose Coupling, Size 1/4, Zinc-Plated Steel Plug, 1/4 NPTF Male End	8 Each	8
19	8098K24 Food-Grade Heat-Shrink Tubing, 0.38" ID Before Shrinking, 1/2 Feet Long, Black	2 Packs	2
20	90145A591 18-8 Stainless Steel Dowel Pin, 5/16" Diameter, 2" Long	2 Packs	2

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-Nylon6-R1.000
 DATE: MAY 03 2018

PO / BATCH NO: 039751/8068053

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 2'
 QUANTITY INSPECTED: 2'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>As per 03989</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>Heat # PO # 039751 Part # 2889K212 Same as 2889K21</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89 MAY 03 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.23	VM	VM

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : NYLON 6 ROUND BAR
SPECIFICATION: ASTM D5989
PART NUMBER: MT-NYLON 6-R[D.DDD]-C
WHERE "D.DDD" = DIAMETER IN INCHES
WHERE C = COLOR [W= WHITE] / [B= BLACK]
EG. 5/8" ROUND BAR = MT-NYLON 6-R0.625-W

DART AEROSPACE HAWKSBURY, Ontario, Canada	
TITLE NYLON 6 ROUND BAR	
DWG NO.	REV
MT-NYLON 6-R	A
DESIGN BY: VM 8/9/2017	XXX ± .005 FRACTIONS ± 1/16
DRAWN BY: VM 08/31/2017	XX ± .1 ANGLES ± 1°
CHECKED: SAC 08/31/2017	X ± .1 SURFACES ± 1/4
DATE: 08/05/2017	1. DIMENSIONS ARE IN INCHES
DATE: 08/05/2017	2. INTERPRET DIM AND TOL PER
DATE: 08/05/2017	3. DIMENSIONAL LIMITS APPLY
DATE: 08/05/2017	4. AFTER PLATING
DATE: 08/05/2017	5. SCALE: NTS WEIGHT: N/A
SHEET 1 OF 1	
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EW 7-649

8 7 6 5 4 3 2 1

- Impact Strength 0.7 ft.-lbs./in. (Poor)
- For Use Outdoors: Yes
- Specifications Met: ASTM D5989

The addition of MDS gives these cast nylon 6 rods a self-lubricating surface that's more slippery and wear resistant than standard cast nylon. Use them to fabricate pulleys, screws, bushing bearings. They're lightweight, stiff, and easier to machine than other types of nylon. They are also an excellent insulator.

Dia.	Tolerance Rating	Lengths, ft.		Per Ft.
1"	Oversized	1, 2	2889K21	\$15.43

Product Detail
MDS-Filled Cast Nylon Rod, 1" Diameter

Length, ft.
☐ 1
☐ 2

☐ Each

1 1/2"	Oversized	1, 2	2889K31	17.90
2"	Oversized	1, 2	2889K116	27.60
2 1/2"	Oversized	1, 2	2889K128	40.80
3"	Oversized	1, 2	2889K136	54.93
3 1/2"	Oversized	1, 2	2889K148	71.23
4"	Oversized	1, 2	2889K156	82.20
4 1/2"	Oversized	1	2889K161	95.09
5"	Oversized	1	2889K171	116.23

3716

MDS-Filled Cast Nylon Sheets and Bars

Sheets

